

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.: 10/533,744 Confirmation No.: Unknown

Applicant: Brown et al. PCT Appl. No.: PCT/SE03/01703

National Phase Fld (371): May 4, 2005 PCT Filed: November 5, 2003

Docket No.: 100886-1P US TC/A.U.: Unknown

Customer No.:22466 Examiner: Unknown

Title: 4(Phenyl-Piperazinyl-Methyl) Benzamide Derivatives and Their Use for the Treatment

of Pain or Gastrointestinal Disorders

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit herewith a list of patents and publications for which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO/SB/08A and SB/08B forms.

insidered 6.

Applicants also wish to make the Examiner aware of co-pending applications:

10/714447, filed on Nov. 17, 2003;

10/477642, a PCT national phase filed on May 16, 2002;

10/533654, a PCT national phase filed on November 5, 2003; and

10/533764, a PCT national phase filed on November 5, 2003.

In accordance with 37 C.F.R. §§ 1.97 (g) and (h), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made or that the information cited is material to patentability as defined in 37 C.F.R. § 1.56.

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Sheet	1	of 9	Attorney Docket Numbe	r 100886-1P US	

Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
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£B	A1	^{us-} 3,940,386	02/24/1976	Szabo et al.	· · · · · · · · · · · · · · · · · · ·
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<u>.}</u>	A8	^{US-} 6,680,321	01/20/2004	Roberts et al.	
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$\overline{\mathbf{A}}$	A10	^{US-} 6,784,181	08/31/2004	Brown et al.	
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Examiner Initials*	Cite No.	Foreign Patent Document Country Code Number *Kind Code * (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T°			
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	B2	WO / 91/07967	06/13/1991	Janssen	***************************************	Г			
	В3	WO 01/74805	10/11/2001	AstraZeneca AB	***************************************				
	В4	WO 93/15062	08/05/1993	The Wellcome	***************************************				
4	B5	WO 97/23466	07/03/1997	Astra Pharma Inc.		Г			

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	B7	wo	1	/ 98/28270	07/02/1998	Astra Aktiebolag		
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First Named Inventor
Art Unit

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Examiner Initials* Cite No.1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (bool magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T²					
£B	Cı	Bilsky et al., "SNC 80, A Selective, Nonpeptidic and Systemically Active Opioid Delta Agonist," J. Pharmacol. Experi. Ther. 273:359-366 (1995)					
	C2	Takemori et al., "Selective Natrexone-Drived Opioid Receptor Antagonists," Annu. Rev. Pharmacol. Toxicol. 32:239-269 (1992)					
	C3	Bilsky et al., "Characterization of Enantiomers of (+) BW373U86 and Related Compounds: Highly Selective Non-Peptidic Delta Opioid Agonists," Reg. Peptides 54:25-26 (1994)					
	C4	Calderon et al., "Probes for Narcotic Receptor Mediated Phenomena. 19. Synthesis of Opioid Receptor Agonist," J. Med. Chem. 37:2125-2128 (1994)					
		Calderon et al., "Probes for Narcotic Receptor Mediated Phenomena. 23. Synthesis Opioid Receptor Ligands," J. Med. Chem. 40:695-704 (1997)	• • • • • • • •				
C6 Chang et al., "A Novel, Pote BW373U86," J. Pharmacol.		Chang et al., "A Novel, Potent and Selective Nonpeptidic Delta Opioid Receptor Agonist BW373U86," J. Pharmacol. Exper. Therap. 267:852-857 (1993)					
C7		Katrizky et al., "Benzotriazole-Mediated Arylalkylation and Heteroarylalkylation," Chem. Soc. Rev. 23:363-373 (1994)					
	C8	Kingsbury et al., "Synthesis of Structural Analogs of Leukotriene B and their Receptor Binding Activity," J. Med. Chem. 36:3308-3320 (1993)					
	C9	Lopez et al., "Exploring the Structure-Activity Relationships Opioid Receptor Nonpeptide Agonist Ligand," J. Med. Chem. 42:5359-5368 (1999)					
4	C10	Plobeck et al., "New Diarylmethylpiperazines as Potent and Selective Nonpeptidic Opioid Receptor Agonists with Increased In Vitro Metabolic Stability," J. Med. Chem. 43:3878-3894 (2000)					

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Substit	ite for form 1449B/PTO			Complete if Known		
				Application Number	10/533,744	
INF	ORMATION DI	SCLOS	SURE	Filing Date	05/04/2005	
ST	ATEMENT BY A	APPLIC	ANT	First Named Inventor	William Brown	
				Art Unit		
	(Use as many sheets as	necessary)		Examiner Name		
Shee	, 8	of	<u>, 9</u>	Attorney Docket Number	100886-1P US	

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Examiner Initials*	Cite No. ¹ /	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
FB	C11	Suggs et al., "Facile Synthesis fo 8-Substituted Quinolines," J. Org. Chem., 45:1514-1515 (1980)	
	C12	Zhang et al., "Probes for Narcotic Receptor Mediated Phenomena. 26. Synthesis Opioid Receptor Ligands," J. Med. Chem. 42:5455-5463 (1999)	
	C13	English Abstract for Reference B16 on PTO/SB/08A, Page 4 FR 2696749(199	4)
	C14	English Abstract for Reference B17 on PTO/SB/08A, Page 4. DE 243/178 (197	5)
	C15	English Abstract for Reference-B18 on PTO/SB/08A, Page 4 DE 2900810 (1986	P).
	C16	English Abstract for Reference B19 on PTO/SB/08A, Page 4 JP 07/38 230 (19	75)
	C17	Burkey et al., "The Efficacy of Delta-Opioid Receptor-Selective Drugs," Medline Abstract for Life Sci. 62:1531-1536 (1998)	
	C18	Nagase et al., "The Pharmacological Profile of Delta Opioid Receptor Ligands, (+) and (-) TAN-67 on Pain Modulation," Medline Abstract for Life Sci. 68:2227-2231 (2001)	
	C19	Green, "Protective Groups in Organic Synthesis," pgs. 267-268 and 331 (1981)	
6	C20	Abstract for HU 217619. (A corresponding English language PCP application is cited as Reference B1 listed on PTO/SB/08A, Page 1 (2000).	

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Substitute for form 14498/PTO					Complete if Known		
	•				Application Number	10/533,744	
	INFO	RMATION D	ISCLO	SURE	Filing Date	05/04/2005	
	STA	TEMENT BY	APPLIC	CANT	First Named Inventor	William Brown	
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	Sheet	9	of	9	Attorney Docket Number	100886-1P US	

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£B	C21	Abstract for HU 215847. A corresponding English language PCT application is cited as.			
£B	C22	Nortey et al., "Piperazinyl Benzamidines: Synthesis and Affinity for the Delta Opioid Receptor," Bioorganic & Medicinal Chemistry Letters, Vol. 11, pgs. 1741-1743 (2001)			
£B	C23	Snyder et al., "Historical Review: Opioid Receptors," Trends in Pharmacological Sciences, Vol. 24, pgs. 198-205 (2003)			

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